



LUGGAGE, LUGGAGE, AND MORE luggage is directly in front of retiring James P. Kirk, Area Five Maintenance. Y-12ers, apparently travel-conscious these days, deluged their retirees this month with handsome varieties of suitcases. Honoring each man with heaps of praise for their congeniality and cooperativeness in work, co-workers were all ready with kind words and best wishes.



STORES PERSONNEL SAID "ADIEU" TO PAUL I. FAWVER on a cheerful note. The department presented the retiring Fawver with a handsome three-piece luggage set "so nicely wrapped it's a shame to tear up the trimmings," as the grateful stockkeeper put it.



UTILITIES PEOPLE CAME THROUGH WITH LUGGAGE for their retiree, Andrew W. Byford, center, flanked by the beauties in the departments. As a variation on the theme, however, they gave the honored retiree an electric razor that doesn't run under water, but will operate for about three weeks without replugging or recharging.



SECOND SHIFTERS IN THE FABRICATING SHOP in the General Machine Shop gathered with retiring Carl E. Holt, seen in center with glasses on the second row. These are the buddies that Holt preferred on the second shift—he turned down other shift work repeatedly because he liked the men he worked with . . . and besides as he put it, "getting up early in the morning sorter ruins a fellow's outlook on life." More pictures on Page Four.

Y-12's Biggest 'Graduating Class'

Five More Y-12ers Are Retiring; Total Almost 80 Years Of Service

Glowing Tributes Paid Employees Scheduled To Leave March 30; All Have Pension Benefits

Five Y-12ers retire tomorrow, Thursday, March 30, in Y-12's largest "graduating class." An aggregate of 77 years, four months of company service is enjoyed by the five retirees. They bring the total of retirees for this year to eight, and the total to 82 that have retired since Carbide began operations in Y-12 in 1947.

The five honored Y-12ers, listed according to length of Company Service, are:

James P. Kirk, Area Five Maintenance

Paul I. Fawver, Stores

Andrew W. Byford, Utilities

George Whipple Dobbs, Publications

Carl E. Holt, General Machine Shop

The second largest group of retirements came August 29, 1958, when four employees retired at the same time.

All of these "graduating" Y-12ers have far more than the required 10 years of Company Service to their credit, qualifying them for benefits under the Union Carbide Corporation Pension Plan. All of them also are enrolled in the UCC contributory Retirement Plan.

This story will present biographical information on four of the retiring Y-12ers and details of "retirement parties" for them. A brief history on George Whipple Dobbs, editor of The Bulletin who is retiring on the same date, was published last week in the announcement that his successor would be Jim Young. He will be honored guest at a dinner tonight, Wednesday, March 29, to be given at the Holiday Inn.

Pipofitter James Kirk Lists 17 Years Plus Company Service

When James P. Kirk, pipofitter in Area Five Maintenance, leaves Y-12 he closes out 17 years, five months of continuous service — the past 10 of which were spent in Y-12.

Actually, Kirk worked in Oak Ridge before it was Oak Ridge, helping on the construction of the first pile — now called reactor, ever built. He began work at Oak Ridge National Laboratory when it first began operations and worked there until March, 1951, when he transferred to Y-12.

Worked For TVA

The retiree was born March 14, 1896, in Knoxville where he attended school. He served in the infantry of the United States

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Good Friday Holiday Gives Y-12ers Long Week-End Rest

A long week-end holiday is coming up for all Y-12 employees when the traditional Good Friday holiday is observed on Friday of this week, March 31. This will provide a three-day rest period over Easter Sunday, April 2, for all Y-12ers except those required for the continuous operation and protection of the plant. This is the earliest observance of Easter in several years.

Insurance Dividend Checks Out This Week

Payments To Carbide Ridge Folks Increased

Y-12 families are receiving a nice pre-Easter nest egg laid in their hands this week with the issuance of dividend checks on their Company Group Insurance Plan. Distribution of the checks for all employees enrolled in the Group Insurance Plan is scheduled to begin at 2:30 o'clock this afternoon, Wednesday, March 29, at all pay points at regular hours. No checks will be mailed to banks for any Y-12ers.

Any Y-12ers unable to pick up the dividend checks this week for any reason may obtain them at the office of the Paymaster on the ground floor of Bldg. 9711-5, the Y-12 Cafeteria, during regular office hours there.

Carbide employees at the three facilities in Oak Ridge, will share \$376,613 in Group Insurance Plan dividends in the 1961 distribution. This amount represents a 29.45 per cent return on the premium payments that were paid by employees on Group Insurance Plan coverage during 1960.

The dividend rate this year exceeds the 1960 figure of 26.75 per cent. The total amount to be distributed to Carbide employees in Oak Ridge also is higher in 1961 as only \$328,000 was given out last year.

In addition to the 1961 dividend payment, Carbide employees or their families received \$1,530,000 in benefits last year under the Group Insurance Plan. This compares to \$1,570,000 in 1959.

ATOMIC STANDARD TIME

Men responsible for determining international standards of weights and measures have decided that telling time by the sun and stars isn't sufficiently accurate. They have asked the world's laboratories to devise a new time standard based on an atomic constant. So folks soon may be setting their watches by atomic standard time.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated

Six Days Or
183,000 Man-Hours

(Unofficial Estimate)

Without A Disabling
Injury

Through March 26

Phone 7755

For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
UNION CARBIDE CORPORATION

GEORGE W. DOBBS Editor

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Clinton Jaycees Set Spring Dance Saturday, April 8

Many Y-12ers remember how great was the Clinton Junior Chamber of Commerce Hallo-wen Dance last October. Now those same Y-12ers — and many others need only to present themselves and their favorite gals, wives or sweethearts, at the Clinton National Guard armory on Saturday night, April 8, to bring back those memories of fun and gaiety again. Don't forget the date, April 8, for the Clinton Jaycees Spring Dance.

For 30 thin dimes (admission is \$3 per couple) couples can dig it, swing it, trot it or waltz it. For only \$2, stags can watch it.

The music begins going round and round promptly at 9 p.m. with dance tunes to be provided by John Zulli and (please note) 11-piece orchestra.

Head clam digger of this clam-bake will be Grady Bennett, of the Y-12 Special Projects Department. He has promised fun galore for one and all. He also points out that advance purchase of tickets automatically reserves a table — and also that tickets may be obtained at the door.

The aforesaid reservations may be made by communicating with Bennett at Clinton phone 1502-4. Prompt action is urged — because the offer of an opportunity to have a wonderful evening of entertainment will close sometime during the day of April 8.

Proceeds for this frolic Spring Dance will go toward construction of a Clinton City Park — a Jaycee project.

Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12ers who will complete 15 and 10 years Company Service within the next few days:

15 YEARS

Joel S. Dunlap, Mechanical Maintenance, April 1.

Robert K. Bennett, Jr., Ceramics and Plastics Development, April 3.

10 YEARS

Fred J. Stout, Laundry, March 29.

David E. Dryden, Research Services, March 30.

William T. Bailey, Process Maintenance, March 31.

Joseph E. Morgan, Guard, April 1.

William F. Smith, Product Processing, April 2.

John L. Noey, Instrument, Engineering, April 2.

Harry C. Francke, Chemical Engineering Development, April 2.

Thomas L. Ray, Medical, April 2.

Dorothy L. Brashears, Product Processing, April 3.

Grover C. Gipson, Guard, April 3.

Clara S. Johnson, Chemical, April 4.

John W. Anthony, Production Inspection, April 4.

Beware Of Joking Characters On Saturday; April Has Many Interesting Anniversaries

Don't take any wooden nickles, answer fool questions or be left vulnerable to any practical jokers come Saturday of this week.

Why?

Huh, take a look at the calendar — 'tis April Fool's Day. All the wise guys in captivity will be on the loose looking for victims — so beware of blandly bewitching characters who would lead thee astray.

With that occasion out of the way, the rest of April contains a goodly number of important dates — some happy and some not so happy — that should be observed and noted by serious-minded Y-12ers.



Of course, the list of important and historic events to be observed in April is led by Easter Sunday, which this year falls on April 2, the earliest in several years. This is one of the two great Holy holidays of the year in the Christian religion, sharing honors with Christmas.

Here are some of the other in-

teresting anniversaries falling in April — in addition to the fluctuating dates of the beginning of the baseball season and planting times, to say nothing of the deadline for paying income taxes. This date falls on Monday, April 17, this year because the normal deadline of April 15 comes on Saturday and the law permits the extension to extend over the week end.

April 3, 1933 — Happy Days Were Here Again in Washington as Mrs. Franklin D. Roosevelt announced that beer hereafter would be served in the White House.

April 3, 1614 — The Indian Princess Pocahontas married the Briton, John Rolfe, in Virginia. This followed her reported saving the life of Capt. John Smith, another Englishman, from being slain by Indians.

April 4, 1850 — The city of Los Angeles was incorporated.

April 6, 1909 — The North Pole was discovered by Commodore Robert Perry.

April 9, 1865 — The remnants of the Confederate Army was surrendered by Gen. Robert E. Lee to Northern Gen. Ulysses S. Grant at Appomattox, Va.

April 9, 1866 — President Andrew Johnson, from Tennessee, vetoed a civil rights bill guaranteeing equal rights to all citizens regardless of color — but was overridden by Congress.

April 10, 1849 — A revolutionary invention proving a boon to all mothers was the invention by Walter Hunt, of New York, of the safety pin.

April 12, 1861 — The War Between The States was launched when Confederate troops fired on Union forces in Ft. Sumpter, in Charleston, S.C. harbor.

April 13, 1743 — Thomas Jefferson, third president of the United States, was born in Virginia.

April 18, 1906 — A devastating earthquake and fire practically levelled the entire city of San Francisco.

April 23, 1791 — James Buchanan, 15th President of the United States, was born. He preceded Abraham Lincoln as President.

April 27, 1822 — This is the birthday of Gen. Ulysses S. Grant, 18th President of the United States and commander of Union troops in the War Between The States.

April 28, 1758 — The fifth President of the United States, James Monroe, was born in Virginia.

April 27, 1937 — The first Social Security payments were made under the provisions of the Social Security law of 1935 to provide income for persons over 65 years of age.



Just when friends of the retiring (March 30) Conductor of this here now Colyum began to worry about his future — Knox County authorities took care of the matter. He will leap from journalistic to jury duties — having received, among other birthday presents, a summons to Knox County First Circuit Court for a two-week stand beginning Monday, April 3. Meanwhile, the CC has this news for you — opening with —

MECHANICAL OPERATIONS

The Colyums fine agent in Rolling and Forming for several months, Ellen Culp, is leaving on Thursday of this week to begin that long walk down the Road to Maternity. She will be succeeded as reporter for the department by Nancy White, so "welcome aboard Nancy" . . . Meanwhile, get well wishes are rushed to Earl Cox, ill with the flu . . . Bill Carey and family are visiting families on both sides down in Clearwater, Fla.

Production Control is running over with higher education since Jack Thomson received his master's degree in industrial engineering from the University of Tennessee March 18 — and more will be reported on this at an early date . . . Kathy Mills spent a long week end in Cincinnati visiting a brother and friends . . . Rapid recovery wishes go to Pete Rinder-er's wife, recently hospitalized . . . Also to Leo Scalf and M. C. "Red" Wiest . . . Don't know about Eddie Maeyens, sporting a black eye as a result, he says, of a fight with a patio . . . Ronnie Taylor spent a day of vacation taking a physical examination for a new rating in the Reserves . . . Paul Andrews spent his vacation boning up for exams at the UT Evening School . . . Mike Shemanski spent his Easter vacation at home near Hall's with his family . . . Jim Crone spent a recent week end in Los Angeles following a business trip to San Francisco . . . Ernie Kennedy's son, Bob, is back home in Knoxville following a stint with Uncle Sam's Army . . . Watch out for those "soused of the border" (Latin American) dancers — Emily and Paul Helton, Jack and Peggy Thomson, Jeanne and Eddie Cothran, Jim and Bonnie Crone, Wanda Livesay, Kathy Mills and Buddy Scott — all learning tangos, rumbas, etc. and so forth.

The TW Shop tells that J. C. Kendrick is catching up with his fishing this week . . . C. W. Nelson is vacationing for a week at home in Knoxville. The Sunflower Shop sends its best wishes along with John Porter Murray, who entered Oak Ridge Hospital Sunday for leg surgery . . . A. T. Bradford is taking a week off to just stay at home.

The Beta Four Assembly and

Forming group extends condolences to G. F. Smith and D. D. Thacker, both of whom have had deaths in their families recently.

General Machine Shop welcomed Joe B. Connell back to work on March 20 after a long illness . . . Meanwhile get well wishes go to a flock of ailing folks, including W. E. Cagle, J. H. Lauderdale, K. P. Emert, C. F. Baker, P. D. Wirey, A. P. Spiva, W. E. Robinette, L. E. Cantrell, J. S. McCarty, D. T. Pitt, R. H. Bradshaw, R. L. Luttrell, H. L. Howell and R. Griffith . . . Vacations will find Fred Vaughn staying around home at Powell, probably planting a garden . . . C. R. Coston is visiting friends in Florida and Alabama . . . O. K. Melton went to Florence, Ala., to roll Easter eggs with friends, but is coming back to do some fishing . . . G. W. Puckett planned some fishing on Watts Bar Lake. . . P. S. Larue also had ideas of line wetting with a trip to Bristol also planned . . . Condolences are extended Earl Johnson, whose sister, Mrs. J. B. Turbyville, was killed in a traffic accident at Elk Park, N. C. . . . Also to A. S. Ruszkowski, whose brother, Henry, died March 20 at Bristol, Conn.

MAINTENANCE

Happy birthday fell last Wednesday, March 22 for little



Debbie Justice

Miss Debbie Justice. She is the adored daughter of Dean Justice, of Area Five Maintenance, and Mrs. Justice — they live on Route No. 2, Oliver Springs.

fifth child to brighten the Justice household.

A Buildings and Grounds retiree of April 30, 1957, paid the old homestead a visit last week when John F. Colbert, who used to be a carpenter foreman, dropped in for a chat with the CC. "Uncle John" now is living in New Smyrna Beach, Fla., and the Sunshine State certainly seems to be agreeing with him — he's looking swell.

Electrical folks still are congratulating J. W. Tubb on becoming the proud parent of a fine daughter, Lisa Ann, born at 11:15 a.m., Sunday, March 19, at Oak Ridge Hospital. She weighed seven pounds, 10½ ounces . . . Another recipient of congrats was T. J. Anders, who became a Proud Grandpop with the birth on March 21 of a new grandson, Michael J. Campbell, who weighed eight pounds, 13 ounces . . . The Old Stork was kept real busy along the same time as Blanche Miller, formerly of the department, welcomed her sec-

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Miss Patricia Pintur

PINTUR-JESSEE

The engagement of Miss Patricia Pintur to Bernard Lee Jessee has been announced by her parents Mr. and Mrs. Steve M. Pintur, 233 Waddell Circle, Oak Ridge. The bride-to-be attended Oak Ridge High School and will graduate from Knoxville Business College this Friday, March 24. Her father is in the Machine Maintenance Department in Y-12.

The prospective groom is the son of Mr. and Mrs. Haye Terry, 101 Atlanta Rd., Oak Ridge, and the late Mr. Leonard Jessee. He is a graduate of the Massey Business College, Atlanta, Ga., and is currently employed in the data processing department of the Chevrolet Division of General Motors.

The wedding date is set for 2 p.m. April 29, at the Highland View Church of Christ, Oak Ridge.

Y-12 Accident-Free Period Is Broken In March 20 Mishap

Y-12's string of accident-free hours was ended Monday, March 20, when an explosion occurred in an experimental magnetic coil. A preliminary investigation indicated that the short circuit current in the conductor which blew off was in opposition to the coil current. The repelling force apparently released the conductor which whipped around and past the coil, striking three men.

One Oak Ridge National Laboratory employee was injured seriously. He has been hospitalized and suffered the loss of one of his eyes. Two other ORNL employees were slightly injured in the mishap.

This was the first disabling injury to occur to a regular ORNL employee in Y-12 in several years, the ORNLers having accumulated more than 9,000,000 man-hours without a disabling injury in the Y-12 Plant. This marked the fifth disabling injury to occur in Y-12 this year and broke the accident-free current record at 907,000 man-hours.

Ft. Crowder Rocket Unit Receiving Gas From Linde

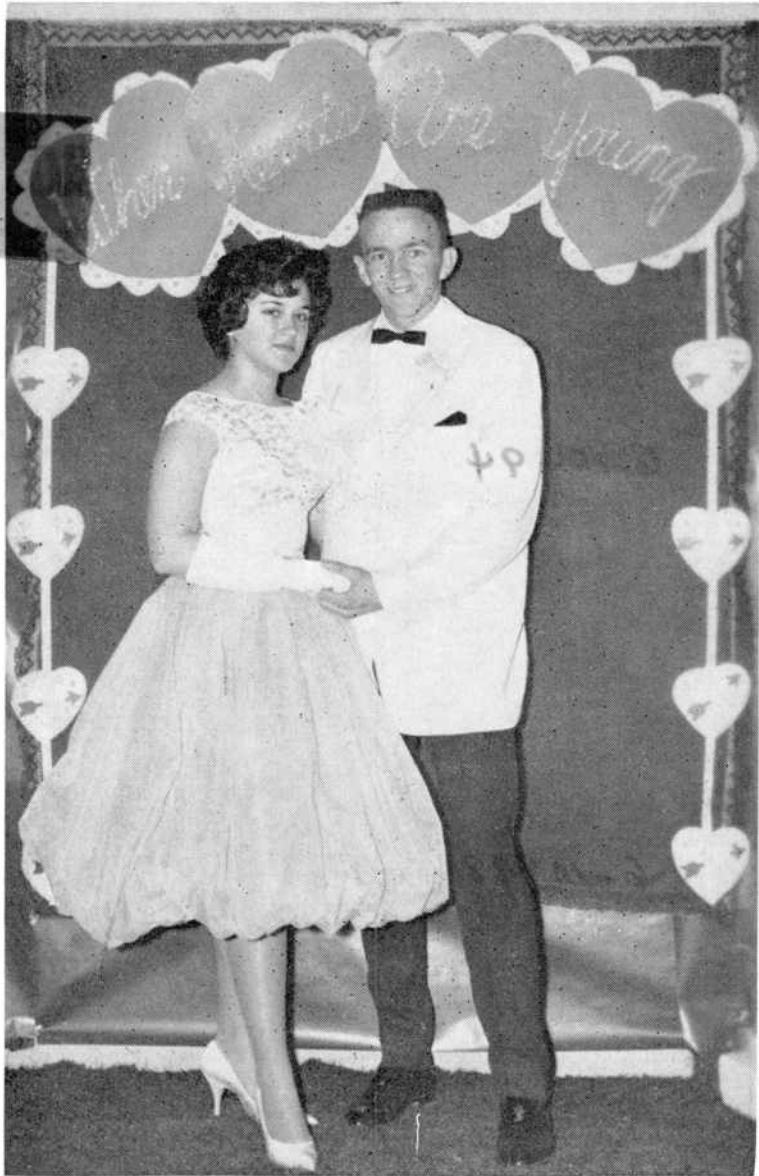
A new liquid oxygen-nitrogen plant built by Linde Company, Division of Union Carbide Corporation, is now in production supplying rocket engine development facilities at Fort Crowder Reservation in Missouri. The new plant, with a capacity of 140 tons per day, also will supply the increased needs of other industrial gas consumers throughout the Southwest by means of railroad tank cars and highway liquid transports.



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

Fred Henry, Buildings and Grounds; M. F. Moore, Time-keeping; F. E. Cox, Machine Maintenance; B. J. Delaney, Forming; J. P. Parker, Sunflower Shop; George Edmonds and E. A. Marler, Mechanical Maintenance.





STEPPING OUT HIGH, WIDE AND HANDSOME at the Knoxville South High School Valentine Queen Dance on February 11 was Becky McPherson, 14, daughter of Y-12 Guard George McPherson; and Carl Hilton, Jr., 17, her escort, nephew of Claude Hensley, Superintendents Division. Miss McPherson is a freshman and is first violinist of the school orchestra and also in the all-Knoxville high school orchestra. Young Hilton is a junior and is captain of the football and baseball teams.

Whiskered Welder Of Guam Is Y-12er; Lives At Crossville

A career as a welder took Jay Draughn, now a Y-12er in Mechanical Maintenance, through an interesting and exciting phase of life in exotic Pacific Islands during and after World War II. Most of his work was with construction firms in Honolulu, Guam and other spots in the vast Pacific area—some so far from civilization that it was not only permissible, but the custom, to produce luxurious growths of whiskers. See the picture at right, taken in Guam in 1947.

Born in Hindman, Knott County, Ky., Draughn moved with his family to Honolulu while the present Y-12er was only a child. So it was in Honolulu that he grew up, did some soldiering prior to World War II and took up his trade as a welder.

Rebuilt War Wreckage

He began his travels through the islands in the early 1930s when colonization of the area, including Guam, began. After World War II much of his activities were in the Guam area with the Guam Dredging Co., engaged in building and rebuilding piers and other structures damaged by bombings of the war.

It was doing this tenure of work that the photograph was taken. The Y-12er explained that some of his supervision objected to the whiskers, telling him he must part with the facial foliage or leave the job. Draughn defied them—and kept his whiskers. By that time they had grown for eight months.

Returning from Guam to Honolulu in May, 1947, Draughn and his wife returned to the United States in 1949. They made a tour of the country, covering 36 states.



Jay Draughn As Whiskered Welder In Guam

The Draughns went back to Honolulu after this visit, then came back to the United States a year or so later. Then in 1951 they bought a home in Cumberland County, Tenn., near Crossville, and on February 15, 1954, he came to work in Y-12 as a welder.

As a hobby he raises fighting chickens on his country place, and now has a flock of around 400 of the birds.

The Draughns are next door neighbors of Marc Sims, former assistant to the editor of The Bulletin and later editor of the Oak Ridge National Laboratory News and the Carbide Courier.

Make it a habit to keep your feet on the ground and you'll never have far to fall.



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ond daughter March 22 at Oak Ridge Hospital . . . Al Sawyer and T. W. Baker are spending a week at their homes — spring cleaning? . . . Get well wishes are extended J. F. Johnson and also to the grandson of C. C. Crisp.

SHIFT SUPERINTENDENTS AND UTILITIES

The Plant Shift Superintendents Office hopes Clara Mae Smith quickly recovers from whatever ailment it was that sent her to Presbyterian Hospital in Knoxville March 20.

Utilities has welcomed F. D. Robinson back after several weeks of illness, part of which was spent in Oak Ridge Hospital . . . J. C. Yarber was off vacationing last week farming, fishing and gardening . . . Oscar Blackwell is away this week, believed to be in the vicinity of Daytona Beach for a couple of days, and thence elsewhere in the Sunshine State . . . E. F. Sosby is fishing and staying around home . . . So is J. D. Snow . . . W. R. McCollister is visiting kin folks in Pontiac, Mich., and also wants to get in some fishing around Tellico Plains before returning to work . . . H. M. Cheek is planning to paint his house—weather permitting . . . J. H. Thomas and D. Stevens spent the just passed long week-end break fishing on Watts Bar Lake and Thomas also planned to see the 500-mile auto race in Atlanta . . . E. W. Mahan worked around home . . . A. H. Norman and son went to Atlanta for the big race . . . C. E. Welch visited his family in New Tazewell . . . D. W. Woody made a quick week-end trip to Florida . . . J. C. Thompson ambled to Athens, Tenn., to see his parents . . . N. M. Standridge Go-Kart raced in Maryville . . . G. M. Martin and family week ended in Lebanon, Tenn. . . L. M. Adams went to Farmer, Tenn., to see kin folks and J. F. May meandered over to Bryson City, N.C.

INDUSTRIAL RELATIONS

The "Bobsie Twins" of the Badge and Pass Office, J. M. "Jiggs" Sievers and Mont Kendrick broke the ice in the news department last week — when Jiggs took off in a wrong truck and hopes that whoever was assigned to the vehicle didn't miss it while it was gone. The Kendrick lad, although he isn't an Oak Ridge High School graduate, sweated it out at the state basketball tournament at UT, rooting for New River all the way, until someone told him New River wasn't playing in the event this year.

The Boys in Blue and Gray of the Fire and Guard Department extend condolences to Guard M. N. Wilkerson, whose father died March 21 at Lenoir City.

Lee Bagwell, Sachment of Safety, is vacationing this week—undecided last Friday as to going to Florida or Alabama.

FINANCE AND MATERIALS

Timekeeping sends rapid recovery wishes to M. F. Moore, ailing in Oak Ridge Hospital.

Engineering Records believes Georgia Rader must have a real fishing hole stashed away over around Morristown. She had brought a 75 horse-power motor for her boat and vows she may need all those horses to drag her whale-sized fish back to shore.

A quiet home vacation in Oak Ridge was enjoyed by Earl Goode, Cashier and Travel Office, last week.

CHEMICAL

Product Processing's Proudest Pop of recent days is T. C. Little, whose wife, the former Eva Jane Garrison and a former Y-12er herself, presented him with a fine seven-pound, five-ounce daughter

Chemical Industry's Safety Mark In 1960 Improves As Accident Frequency Rate Drops

Y-12 Plant Record For Last Year Still Far Ahead Of National Mark On Disabling Mishaps

Intensified efforts by chemical manufacturers to improve on-the-job safety practices resulted in a decrease in the frequency rate of industrial injuries last year as compared to 1959, according to a report released today by the Manufacturing Chemists' Association.

Rate Drops To 3.19

The associated stated that the frequency rate of injuries because of in-plant accidents declined from 3.38 per 1,000,000 man hours worked in 1959 to 3.19 per 1,000,000 man-hours worked in 1960.

(Editor's Note — The Y-12 Plant, activities of which are considered similar to those of the chemical industry, has a far better 1960 safety record than the chemical industry as a whole. In setting its best record in plant history, Y-12ers last year posted an accident frequency mark of only 0.41. In 1959 the Y-12 Plant's frequency rate was 0.86. During 1960 the Y-12 Plant had only five disabling injuries with but 171 days of work lost because of plant mishaps.)

"This decline in the chemical industry accident rate reflects a halt in the increase in the injury frequency rate which was evident in 1959," Gen. John E. Hull, president of the MCA, stated in releasing the report. "Although the 1960 frequency rate is below that of 1959," Hull said, "it is still higher than the rates of the three previous years—1956-7-8. The rates for those years were 3.00, 3.01 and 2.98 respectively," he said.

Cannot Remain Complacent

"We can by no means be complacent so long as the injury frequency rate remains above the record year of 1958," Hull said.

The rate reported by MCA compares favorably with that announced by the National Safety Council for all manufacturing concerns. Despite the injury frequency rate increase to 3.38 reported by MCA in 1959 for the chemical industry, it is still below that reported by the Council of 6.47 injuries per 1,000,000 man-

on March 3 at Oak Ridge Hospital. The newcomer was named Rebecca Jean.

TECHNICAL

At its recent convention in Cleveland, Tenn., the Tennessee Conservation League elected Allen Townsend, Metallurgical Development, as one of its East Tennessee directors.

Lou Doney and Mrs. D, he's in Ceramics and Plastics Development, officiated at the recent dedication of the Karl Edison Steinmetz memorial plaque in Chattanooga. State and National Forest Service officials likewise participated in the program.

Radiation Safety extends condolences to H. O. Runge, whose father died recently . . . New surveys with fringe on top are being sported by Jack McLendon and Bill Mee (probably collected their golfing bets in advance) . . . Jim Cagel vacationed last week to become conditioned to receive a new buggy of his own . . . Merwyn Sanders should get a medal for being a real good guy—he is vacationing at home this week to keep house and mind the kids while his wife is visiting her family in Miami . . . D. R. Allison also is a home vacationer and vows to do as much fishing as his wife will permit.

Just a few more yards of that "Last Long Mile." The present CC will produce his last contribution next week and will bring his crying towel along. The line of sympathizers will please form on the right.

hours worked for that year for all manufacturing.

Off-Job Injuries Increase

There were 112 chemical manufacturing companies participating in 1960 in the association's analysis of worker injury experience. These companies range in size from those employing less than 260 workers to companies employing more than 5,000 persons. Of those 112 companies, 30 also participated in an analysis of off-the-job injuries which in 1960 increased to 6.35 from 5.68 per 1,000,000 man-hours of exposure in 1959.

In terms of severity rate of all injuries as measured in terms of calendar days lost per 1,000,000 man-hours of exposure, the industry also showed a decline from 617 in 1959 to 552 in 1960, the report states.

Daughter Of Y-12er Given High Honor By Baptist Church



Betty Hodnett

Another proud Y-12er is Sam A. Hodnett, Instrument Engineering Department, as his daughter is added to the impressive list of youngsters with honors bestowed upon them recently. His 14-year-old daughter, Betty, was recently awarded the Queen-With-A-Scepter rank in the Girls' Auxiliary at First Baptist Church, Oak Ridge.

The honor, one of the highest the church gives its young people, entails many steps before qualification. Many scriptural passages must be memorized, a scrap-book must be prepared, future plans outlined and a high degree of leadership in church activities exhibited. A thorough knowledge is also acquired of the mission field and the church's aims in this direction.

Betty is a student in the ninth grade at Jefferson Junior High School. Her parents live at 101 Peach Rd., Oak Ridge, and are naturally extremely proud of their daughter's worthwhile accomplishments.

There are two periods in a man's life when he doesn't understand women: Before and after marriage.

Five More Y-12ers Retiring On March 30; Company Service Totals Almost 80 Years

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Army during World War I. During the 20s he performed odd jobs for contractors and plumbing shops in the Knoxville area. In 1928, he became self-employed in Knoxville and Pineville, Ky., until 1933 when the Tennessee Valley Authority began the construction of Norris Dam. He worked with TVA a year then went back to free-lance plumbing in Miami Beach, Fla., Knoxville, and back to Pineville. Kirk saw service again with TVA at Watts Bar and Ft. Loudoun interspersed with a tour of duty with a plumbing company in Columbus, Ga.

He was married in 1923. The Kirks have three children, Mrs. Betty Kirk Gallagher, Scotia, N.Y.; Patricia Kirk Lay, Long Beach, Cal.; and William A. Kirk, at home with his parents in Oak Ridge. The Kirks are also very proud of their six grandchildren. **Studied Engineering At U-T**

Kirk is a graduate of Central High School, Knoxville, and also attended the University of Tennessee, where he studied engineering.

With no definite plans for the future the Kirks plan to travel this summer visiting the children. To help this travel along fellow workers gathered in the plant Friday, March 17, to present Kirk with a handsome three-piece luggage set—along with an alarm clock, for what purpose they did not say. The retiree voiced his liking for the work here and particularly the men with whom he had worked. He takes with him the very best wishes for a happy retirement.

Stockkeeper Paul Fawver Takes A Look At Florida Real Estate

Paul I. Fawver, who closes out more than 17 years in Y-12 when he retires tomorrow, March 30, is taking a close look at Florida real estate with tentative retirement plans in mind. First of all, however, he wants to visit his away-from-home children in Chicago and in the far western state of North Dakota.

With his travel plans in mind, his fellow workers in Stores honored him last Monday, March 20, with a surprise gathering in the old haunts, presenting him with two handsome pieces of luggage—a Pullman case and a two-suitcase—plus an ottoman. The ottoman was, as Supervisor Bill Stanton put it, "to rest your feet on when your travel runs out." Genuine affection and respect was apparent on all the faces in Stores as they gathered to honor Fawver.

Had Varied Career

The retiree came to work in Y-12 in November, 1943, after a varied career in teaching, farming and storekeeping. Born in Strawberry Plains, Tenn., March 12, 1896, Fawver attended the Midway and Thorn Grove Schools, and graduated from Barter High School. He farmed and operated a furniture and hardware store in Byington for 20 years after teaching school briefly in the Knox County school system. During World War II, Fawver worked briefly for the Jefferson Woolen Mills and Fulton Sylphon Co. in Knoxville. He came to Y-12 November 22, 1943, and has been here since.

In 1928 he married the former Audley P. Murr, and they live at Route 18, Knoxville. The Fawvers have three children, Paul, Jr., Chicago, Ill.; a daughter, Mrs. Bill Zimmerman, who lives in Grand Forks, North Dakota, and another son, Glen, at home with his parents. They have one grandchild.

After visiting his two children and a summer-long trip to Florida, the retiring Fawver hopes by then to have definite plans in mind. "I'm going to look over the Florida situation. After two or three winters like this one and last year, I'm about ready

for some sunshine for a change. I get sort of tired of digging out of snow," he declared.

Earned Respect

The kindly stockkeeper certainly has earned the respect and love of his fellow workers. Supervision and co-workers alike were quick to verify his integrity and ability to get along on the job. Jack Garland, also of Stores, stated that Paul would be missed around the plant. "His pleasantness was always something to behold," he said, "his kind are greatly appreciated anywhere."

Fawver not only takes with him best wishes from fellow Stores employees, but all Y-12ers who have had pleasant, congenial contacts with him.

Process Service Operator Byford Will 'Take It Easy'

The Utilities Department gathered last Wednesday, March 22, to pay tribute to one of its favorite members, Andrew W. Byford, longtime employee who retires tomorrow, March 30. From Daniel Rader, Y-12 Plant Shift Superintendent, came the accolade, "There's a fine fellow, do him a good story."

Active In Construction Field

Byford, who came to Y-12 in 1944, enjoys 16 years, seven months of continuous service. He was born in Tusculum, Ala., on March 16, 1896. After serving three years in the United States Army during World War I as a First Sergeant in the infantry, he worked in various jobs in Tennessee, Tampa, Fla., and other sections. Construction work took him back and forth between the two places, until in 1926 he settled with the Gray Knox Marble Co., Knoxville, where he worked as a marble finisher until 1939. He did odd jobs in the construction field for two years, then worked with the Harriman Construction Co., Kershaw Butler Engineering, Huntsville, Ala., and Rohm and Haas, Knoxville, until 1944 when he came to Y-12 on August 28.

The retiree was married in June of 1926 to the former Nina Hawkins. Mrs. Byford died in 1952. The Byfords have three daughters, Mrs. Barbara Haire, Dayton, Ohio; Mrs. Jeanie Young and Mrs. Joanne Carroll, both of Knoxville.

Recalling the various places he has worked, Byford said, "Y-12's the best place I ever worked, if it hadn't been, I wouldn't have stayed this long. The people around the plant are the finest I've ever known."

In the tributes paid to him by co-workers, a fine set of luggage was presented the retiree. In addition, they gave him an electric razor, which can be operated from stored electricity. Both the bags and razor will come in handy as Byford plans to do quite a bit of traveling.

Most of his plans just include "taking it easy" — and visiting around places like "Bull's Gap" were the words he used in describing his plans for retirement.

The kindly Byford and his homely comments and asides will certainly be missed in Utilities. All his many friends wish him years of happiness in his new role of ease and comfort.

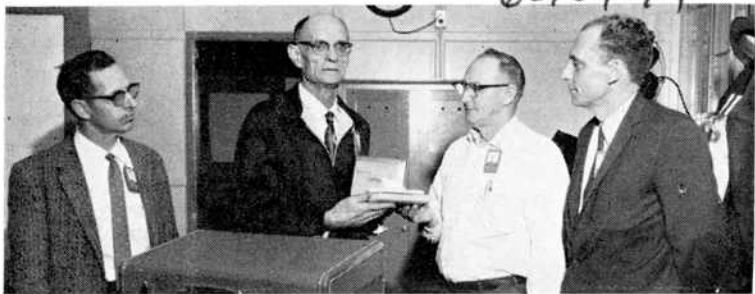
Retiring Carl E. Holt Liked Second Shift Above All Others

Believe it or not, retiring Carl E. Holt, in the General Machine Shop, prefers the second shift. Repeatedly he has turned down offers for other shifts, including straight days, to keep up with his old friends in the sheet metal shop. The metal fabricator also adds he "hates getting up early in the morning."

Born in Bybee, Cocke County, Tenn., March 25, 1896, the jolly sheet metal worker is a graduate of Morristown High School, Mor-



STORES SUPERVISION STOPPED PRAISING THEIR RETIREE of the month long enough to have their picture taken . . . they are from left Jack Garland, Bill Stanton, the honoree Paul I. Fawver, and John Geasland.



UTILITIES PAID ITS RESPECTS to one of its favorite people as Andrew W. Byford receives his electric shaver. From left are Roy Mann, the retiring Byford, Clay Jarvis and Oscar Blackwell. Byford jokingly asked "why the razor," he isn't going to bother to shave after his retirement.



MAKING SURE he gets up bright and early every morning, Area Five Maintenance men gave retiring James P. Kirk an alarm clock along with his luggage. Here he accepts the clock, a travel model, from Foreman William L. Beeler. Just why Kirk should get up early was unrevealed.



A SHOTGUN went along with Carl E. Holt's luggage, as his fellow workers in the General Machine Shop honor their retiring man of the month. From left are J. H. Patrick, the honoree Holt, and F. M. Pugh. Craft Foreman Jim Lovin was not present for the festivities because of illness.



Ride wanted from 5017 Coburn Drive, Wedgewood Hills, Knoxville-Kingston Pike, to Bear Creek Portal, straight day. Doris Sartelle, plant phone 7-8846, home phone Knoxville 588-2017.

Ride wanted or will join car pool from Cherokee Hills section, Kingston, to Central Portal, straight day. Bethel Poston, plant phone 7-8663, home phone Kingston FR 6-9523.

Ride wanted from 404 Roberts-ville Road, Oak Ridge, to Central Portal, straight day. Helen Cunningham, plant phone 7213, home phone Oak Ridge 483-5756.

'Be Sure It Isn't Loaded'

His fellow workers in the shop showed their apparent mutual agreement with him last week by presenting him with a set of luggage and a shotgun. "Make sure that thing isn't loaded, there are a few around here I could clip off in a hurry," he jokingly added.

"All kidding aside, I think the world of these boys," he said, "it's the only hard part in being able to take it easy." Metal workers, General Machine Shop people and all Y-12ers send their best wishes along with the pleasant Holt with happy thoughts of him.

New Badges Available In Plant Saturday

Solid Blue Badges Are Obsolete April 10

The solid blue badges worn by Y-12ers for the past three months can be exchanged this Saturday, April 1. In the quarterly badge exchange program, old badges must be swapped for the newer identification badges which have a yellow border at the bottom.

Self-service racks are provided for each entry into the plant. Badges are arranged in numerical order at each portal. The old badge is placed in the exact slot from which the yellow-bordered one comes.

No old solid blue badge will be honored after Monday, April 10. After this date the badges not picked up at the portals will be moved to the Badge and Pass Office, Bldg. 9704-2, and must be obtained there.

'Buddy, Can You Spare A Finger?' Challenge Given

"Buddy, can you spare a finger?"

That is the pungent message to be impressed on all Carbide employees in the Y-12 Plant Area next month through distribution of to-the-point pamphlets by the Safety Department. Safety intends to put one of the pamphlets in the hands of every Y-12er to stress the important roles hands, fingers and thumbs play in the everyday life of mankind.

"Did you ever try drinking a glass of water without using your thumb for leverage—or try writing without your thumb and index finger?" That is one of the challenging questions asked by the pamphlets in getting across their message.

The circulation of the pamphlets is quite timely in the Y-12 Plant since a large proportion of the minor accidents and some of the disabling accidents over the past several years have involved hands and fingers.

SNT Group Will Hear Talk By Los Alamos Scientist

The Oak Ridge Chapter of the Society for Nondestructive Testing will meet at 8 p.m. next Tuesday, April 4, at the Alexander Hotel, Oak Ridge. Featured speaker is Dr. G. H. Tenney, of the Los Alamos Scientific Laboratory. He will describe the Third International Conference on Non-destructive Testing held in Tokyo, Japan, last year. His lecture will cover the preparation, the technical sessions, the social atmosphere and the conclusive observations of the historic conference.

Tenney is a native of Ebersdorf, Austria. He obtained his Ph.D. degree in Electrical Engineering at the University of Vienna. Coming to this country in 1938, he was naturalized in 1943. Since that time he has been a Group Leader at LASL. He is past national president of the SNT.

The public is invited to attend the SNT lecture.

Annual Spring Clean-Up Week In Plant Will Be Observed From April 23 To 29

Brooms, mops and other cleaning tools will get a real workout in the Y-12 Plant Area in the week of April 23 through April 29, when the annual Spring Clean-Up Week will be observed.

All supervisors and divisional coordinators should plan thorough programs during that week and arrange to clean up their areas both inside and outside of

buildings. Every effort should be made to remove all excess material and trash that could be a fire or accident hazard.

Maintenance Division personnel will assist in removal of excess material and rubbish after it has been collected. The Fire Department also will assist in every way possible to make the Spring Clean-Up Week a success.

Whittle Linksmen Plan For Season; DH Meeting Set

Ridge Loop Reelects Officers; Harriman To Open April 10

Another step forward toward placing Y-12 golfers in active links competition this summer was taken last Thursday afternoon when the Whittle Springs League for Y-12 and Oak Ridge National Laboratory players held its initial organizational meeting.

Four teams were ready to play, it was announced at the meeting. A deadline of Friday, April 7, was set for admission of additional teams. A starting date will be determined after the entry deadline is passed. J. W. Phillips was elected commissioner; Merle Emery, vice commissioner; and Don Troutman, secretary, of the Whittle Springs loop.

Meeting Set Tuesday

Still another league will be open for Y-12ers who would like to play at the Deane Hill club this summer. An organizational meeting for this circuit will be held at 7:30 o'clock next Tuesday night, April 4, at the Deane Hill club. The league will be open for players from Y-12, ORNL and Oak Ridge Gaseous Diffusion Plant linksmen.

The Oak Ridge League for Y-12ers also completed its organizational work last week and set a deadline of Friday, April 7, to receive teams. All of the 1960 officers were reelected with Bill Mee to serve as president, J. P. Smith as vice president, and J. Sewell Brown as secretary.

Meanwhile, the Harriman loop for players from all three Carbide installations is ready to swing into action on Monday, April 10. The deadline to enter this league is next Tuesday, April 4.

Lenoir To Meet April 17

The Lenoir City League has set Monday, April 17, as deadline to enter teams and the loop has called a meeting for 7 o'clock Wednesday night, April 19, at the former Carbide Camera Club quarters in the Y-12 North Portal to set a starting date and elect officers.

Lead Of Rodders Cut In Bush League

The slim lead held by the Rodders in the Bush League for Y-12 bowlers got slimmer in play on March 20 as they split two points with the Rollniks, while second-placers Lucky Five and Pin Busters each took four points from the Balls O'Fire and the Alley Gators, the latter score taken by forfeit. Closely behind in fourth place the Rollmasters rolled by the Hi Balls, also by four points. The only three-pointer of the night saw the Beavers trim the Nine Pins down to size.

Individual top scoring split seven ways to Sunday in the closely matched league. Top individual scratch game was taken by Dick Huber, Beavers, at 215; while handicap singles went to Paul Evans, Beavers, with a 245 which helped boost his handicap game in series counting to a 667. Roy Worley, Pin Busters, topped scratch series individual scoring with 578. Top single team scoring both in scratch and handicap play went to the Nine Pins with 861 and 1043, while the Beavers took series tops with 2494 and 2917.

League standing follows:

Team	W	L
Rodders	23	9
Lucky Five	22	10
Pin Busters	22	10
Rollmasters	19	13
Beavers	18	14
Nine Pins	17	15
Rollniks	16	16
Balls O'Fire	14	18
Hi Balls	8	24



IT WAS 10 MOST HAPPY FELLAS AT THE OAK RIDGE QUARTERBACK CLUB'S banquet for the State Champions as the Oak Ridge Wildcats rocked the rafters by copping their first TSSAA basketball championship for the state a couple of weeks ago. The banquet, held at the Oak Terrace, Wednesday, March 22, brought out the giant 42-pound trophy captured by the gallant Cats. All smiles in their new jackets, half the team members are sons of Y-12ers and are shown, from left, with the proud pops, whose names and departments follow in parenthesis: Ralph Stevens, (Clarence L., Product Processing); Capt. John L. Howard, Jr., (John L., Sr., Product Processing); Allen Griffies, (Donovan, General Machine Shop); Kenny Campbell, (James E., Benefit Plans); Bud Defenderfer, (Victor, Alpha Four Cascade Operations).

Toppers Repulse Scrappers In Bout For Mixed League

The Toppers repulsed a head-on drive by the Scrappers in the Mixed League of Y-12 men and women bowlers last week to take three points and crush the challenge for first place. The Pin Plasters pushed the Alley Cats deeper into the cellar by scoring a similar victory. The Nip and Tucks took three and one-half from the Goofers and the only whitewash win of four points was posted by the Cool Cats over the Phantoms.

Tom Hillard's hot hand helped the Toppers preserve their lead as the blonde pinman swept all individual scoring honors with 238, 262, 555 and 627 across the board. Ruby O'Kain, Toppers, rolled a fine 197 scratch game but Nancy Garrison, Nip and Tucks, was the big gun among the feminine scorers. She had a fine 511 scratch series, boosted to 649 with handicap. In team scoring the Toppers had the top scratch series of 1900 and the Cool Cats the high handicap triple of 2291. The best single game went to the Scrappers with 662, increased to 819 with handicap. Virginia Hill rolled a 229 handicap game for the Pin Plasters for best of the session.

League standing follows:

Team	W	L
Toppers	37½	10½
Scrappers	35	13
Pin Plasters	26	22
Goofers	23½	34½
Nip and Tucks	22½	25½
Phantoms	18½	29½
Cool Cats	16½	31½
Alley Cats	12½	33½

Rough Fish Study Begins On Norris

Rough fish removal studies again are under way on Norris Lake, according to Dave Bishop, fisheries biologist for the State Game and Fish Commission. The Norris Lake studies are being made to determine the effect of commercial fishing, or the lack of such fishing, on sport fish populations in Tennessee's large impoundments. Bishop said that from such studies it may be possible to evaluate the need for the regular removal of such non-game species as carp, shad and catfish from the lakes, since rough fish compete with game fish for food and living space.

The base of operations for the present studies, Bishop stated, is the Clinch River Bridge Dock on State Highway No. 33, and any interested persons are welcome to visit the area while the project is in progress.

KENNEDY'S BIBLE

President John F. Kennedy used the Douay version of the Bible at his inauguration ceremony. This Bible is used by English-speaking Catholics.



THE FIRST OF A PARADE of entries in the Y-12 Annual Fishing Contest was submitted a few days ago to the Recreation Department by C. F. Huskey, of Mechanical Maintenance, shown above with a fine striped bass landed March 4 from just below Watts Bar Dam. The lunker was landed with a doll fly lure.

B Shift Planning Fishing Rodeo

A gala fishing rodeo is being planned by the B Shift Recreation Committee, according to Ray Ellis, chairman. It will be held Thursday April 6 from midnight until 5 p.m. April 7 at White's Creek Dock.

Many excellent prizes are being offered for anglers competing in the event. Among them are a barbecue grill, spinning outfit, tent, picnic table and tackle box. The boat dock also will offer a dock prize. The dock is located below Rockwood, and all interested parties are invited to attend the affair.

Free coffee will be available to all spectators and fishermen, according to Ellis. More details may be had by calling him at plant phone 7-8280.

Distress Signal Handy For Hunters

A handy new pocket item which may save the life of a hunter in trouble is the couter flare, manufactured by the Marsh Couter Company of Warren, Mich. The flares come in sizes to fit most big game rifles and 12-gauge shotguns. Packed in plastic carrying cases of three, the brilliant red flares are fired from the hunter's own gun the same as any normal shell. The rifle flare puts out 2,000 candlepower and the shotgun model is rated at 10,000 candlepower. They can be seen over great distances to bring assistance to the distressed hunter.

Don't try to hog the right of way—drive the right way.

Bumpers Increase Lead In Classic; Swingsters Split

The Bumpers increased their slim lead in the Classic League of Y-12 bowlers last week with a three-point win over the lowly Markers while the second place Swingsters could only gain an even break of two points each with the Rebels. There were three whitewash wins of four points by the Sportsmen over the Wolves, Eight Balls over the Playboys and Screwballs over the Tigers. The Smelters eased into third place by stinging the Wasps for three, displacing the Rippers, who lost the same number of points to the All Stars. The Cubs and Has Beens broke even.

The Has Beens had the top team scratch scores with a 928 game and 2631 series. The Smelters were high with 1040 and 3020 handicap tallies. Wayne Groppe, Rippers; and Preston Wallace, Wasps; deadlocked at 578 for best individual scratch series of the night and Wallace boosted his to 644 for leading handicap score. Joe Dunlap, Rebels, rolled a 219 scratch game and Frank Thurman a 243 handicap game for best of the night.

League standing follows:

Team	W	L
Bumpers	38	14
Swingsters	34	18
Smelters	33	19
Rippers	31½	20½
Sportsmen	31	21
All Stars	30	22
Wasps	28	24
Has Beens	26½	25½
Rebels	25	27
Cubs	23	29
Eight Balls	23	29
Wolves	21	31
Tigers	20	32
Playboys	20	32
Screwballs	19½	32½
Markers	12½	39½

Y-12 Women First To Enter Tourney

A group of five Y-12 women bowlers formed the first plant team to enter the 1961 All-Carbide Bowling Tournament, to be rolled on April 8-9 and 15-16 at the Ark Bowling Lanes in Oak Ridge. Their entry was filed last Wednesday.

This Y-12 feminine team will compete under the name of Nip and Tucks. It is composed of Nancy Garrison, Virginia Hill, Mabel Tyer, Joyce Gillihan and Katie Williams. All roll for various teams in the Y-12 Mixed League of men and women bowlers during the current season.

Two men bowlers even beat the women maple maulers to the Recreation Office with their entries. They were Joe Pryor, who rolled with the now disbanded Alley Gators, of the Bush League; and John Howell, who competes with the Sunflowers of the C League. They will roll together in men's doubles and also vie for honors in the singles competition.

Atoms, All Stars To Meet For Title; Reactors Ousted

Daws' Dandies Wallop Hot Shots By 49-42; Finals Set This Week

The Y-12 Atoms remained in the running in the Carbide Basketball League tournament last week by trouncing the Oak Ridge Gaseous Diffusion Plant Hot Shots by 49 to 42. However, the Y-12 Reactors bowed to those same Hot Shots by 66 to 48, the losers being ousted from the double elimination event. The Reactors were winners of the regular season crown.

Atoms Must Win Two

The Atoms now are slated to meet the ORGDP All Stars in a crucial scrap some night early this week, the exact time not having been determined at press time of The Bulletin. If the undefeated All Stars win, the tournament championship is theirs. An Atom victory would necessitate another tilt for the title.

Jim George and Edd Cothran led the Atoms to their victory last week, dunking 18 and 13 points, respectively, through the nets. A second period splurge when the Y-12ers outscored their foes by 14-6, clinched the affair for Manager D. W. Daws' basketballers. The Hot Shots held a 15-14 margin at the first stop and the third and fourth chapters each were deadlocked by 11-11 and 10-10.

Hot Shots Lead Throughout

The Hot Shots really burned up the Reactors and led all the way. Cress tallied 24 points on 10 buckets and four charity tosses and Morton bagged 21 on seven of each type of basket. Bryson nicked the nets for 15 and Chandler for 14 to lead the Reactors.

SPs Regain Top Spot In C League

In the nip and tuck struggle for first place in the C League of Y-12 bowlers, the SPs have edged into first place again. In the March 20 action the gallant SPs took three points from the Beta Fours. The only four-point win of the night was the Hookers' romp over the Ramblers. Other three-point wins were the Alley Cats over the Par Busters, the IBMs over the Big Five, the Hilifers over the Chillers and the Sunflowers over the C Shift.

Ray Galford, Sunflowers, rolled a neat 254 to take single game scratch honors and widened that into a 263 handicap. Arnold Tiller, SPs, took individual series honors with a 632 and 686. Team honors went the same way as the Sunflowers took top singles with 924 and 1032, the SPs in series play with a 2574 and 2940.

League standing follows:

Team	W	L
SPs	37	19
Big Five	36	20
C Shift	33	23
Alley Cats	33	23
Beta Fours	29	27
IBMs	28	28
Hilifers	28	28
Hookers	27	29
Ramblers	25	31
Chillers	24	32
Par Busters	20	36
Sunflowers	16	40

SAFETY SHOULD



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Y-12 FIRE CAPT. W. R. MCGILL GIVES MARTHA PARK her automatic coffee maker as Martha's co-workers in Plant Records line up for their awards at right, when the big Y-12 Plant safety awards were given out March 14, 15. Janice Santora and Dot Conner await in line. The record-breaking string was the 26th accident-free period Y-12 has enjoyed since Union Carbide began operations here in 1947.

Water Thickener Improves Blaze Fighting Work

Even that traditional fire fighter, water, is being improved.

That it can be improved is the belief of Syracuse University scientists who are evaluating chemicals which transform water into a fluid that snuffs out a fire ten times faster than just plain water.

The job is done by a chemical additive. A thickener, it produces water similar in consistency to milk. Just this amount of variation greatly improves water's blanketing and run-off properties. Without the additive ordinary water evaporates more quickly and runs off faster—its major shortcoming as a fire fighter.

To a lesser extent, opacifier and detergent additives have been tested. Opacifiers make the water more opaque, enabling it to reflect the radiant energy of flames away from the burning structure. Detergents disperse opacifier particles in suspension helping the treated water spread over the burning surface.

Final Audubon Screen Tour Program To Be Given Tonight

The final program in the 1960-61 series of Audubon Screen Tours, sponsored by the Oak Ridge Conservation Club, will be presented at Jefferson Junior High School at 7:30 o'clock tonight, Wednesday, March 29.

A color film, "An Ozark Anthology," will be shown and narrated in person by Leonard Hall, the "Squire of Possum Trot Farm," who is making his third visit to Oak Ridge. The author is an authority on country life in the Ozarks and for many years has written a column for the St. Louis Post-Dispatch. His familiar books are "The Country Year" and "Stars Upstream."

There will be a reception at the Oak Terrace from 5 p.m. to 6 p.m. this afternoon for the writer and lecturer.

RESEARCH CONTRACTS LET

Educational institutions carry out extensive research under Atomic Energy Commission sponsorship, and during February the Commission's Oak Ridge Operations signed 11 research contracts and modifications totaling \$417,380.

Safety-Security are bulwarks of the Y-12 Plant.

ASM Sets Educational Lectures Next Week

Properties Of Inorganic Metals General Topic

A two-day series of educational lectures will be presented by the American Society for Metals Oak Ridge Chapter next Wednesday and Thursday, April 5 and 6. The meetings will be at 8 o'clock on both nights in the auditorium of the Oak Ridge Institute of Nuclear Studies Training Building on Administration Road in the rear of the Atomic Energy Commission administration building.

The general theme of the lectures will be "Characteristic Properties of Inorganic Metals." At the April 5 session Dr. H. C. Schweinler, a theoretical physicist of the Solid States Division of Oak Ridge National Laboratory, will speak on "Ionic-Bonded Crystals" to start the program. He will be followed by Dr. W. O. Harms, head of the ceramics laboratory of the ORNL Metallurgy Division, whose subject will be "Oxide Ceramics." On April 6, Dr. W. W. Beever, director of research and development of the Brush Beryllium Co., will speak on "Intermetallic Compounds." Dr. H. G. MacPherson, associate director of ORNL, will complete the program with a talk on "Graphite."

Health Physics Training Course Sponsored By AEC

"On the job" training is included in a health physics course currently being taken in Oak Ridge by 13 persons representing state and federal governments, educational institutions and the military.

The course is intended to provide training for state public health personnel concerned with control of hazards associated with utilization of radioactive materials. Sponsored by the Atomic Energy Commission, the course includes four weeks of basic work at the Oak Ridge Institute of Nuclear Studies. This is followed by six weeks at the Oak Ridge National Laboratory, during which participants receive additional instruction and work with ORNL personnel in routine health protection activities.

July Most Dangerous Month In 1959 For Accidents

July, with 8,300 accidental deaths, was the most dangerous month of 1959. The National Safety Council, in the 1960 edition of "Accident Facts," its statistical yearbook, reports that August was runner up for danger with 8,100 deaths. December, leader in 1958 in accidental deaths, was third in 1959.

July led all other months in drownings, with 1,280. December was No. 1 in traffic deaths in 1959 with 3,650, after trailing October the previous year. August was second in traffic deaths in 1959 with 3,510.

Mother, Brother Proud Of Young Dental Graduate



Dr. Stanley E. Williams

Two Y-12ers are extremely proud of their son and brother who recently graduated from the University of Tennessee School of Dentistry with plans to open an office in Oak Ridge later this summer. The young dentist is Dr. Stanley E. Williams, son of Mary Pickens, of Process Maintenance, and the late Eugene M. Williams, who was in Maintenance Planning until his death a few years ago; and the brother of Ray Williams, of Material Control.

Dr. Williams graduated from Oak Ridge High School in 1951 and took his pre-dental classes at the University of Tennessee in Knoxville. He then served four years in the United States Navy, assigned to dental work in the Naval Medical Corps and serving at Naval air bases in San Diego, Cal., Millington, Tenn., and Norfolk, Va.

He entered the UT School of Dentistry at Memphis in 1958 and graduated March 20, 1961. He will be connected with the State Health Department of West Virginia until June of this year, after which he will return to Memphis to take the state examination to practice in Tennessee.

New Linde Acetylene Plant Being Built In Colorado

A new acetylene plant to supply Colorado Fuel and Iron Corp. now is under construction at Pueblo by Linde Company, Division of Union Carbide Corporation. The plant will meet requirements of a contract just signed with CF&I for the supply of acetylene for a five-year period.

The new plant will be completed near the end of April. It will have a capacity of 1,500,000 cubic feet per month of acetylene.

The plant also will supply acetylene to other industries in the Rocky Mountain area.

Six AEC Offices Set Good Records

All Work For Year Without Lost-Timers

Federal employees in the six area offices of the Atomic Energy Commission's Oak Ridge Operations worked throughout 1960 without a single lost-time accident, compiling a total of 252,981 accident-free man-hours.

In commending the people of the area staffs, S. R. Sapirie, Manager of Oak Ridge Operations, has said,

"Excellent safety records of this type don't just happen—they are the result of sound safety programs and the full cooperation of each person."

"We are gratified by this fine performance, and we look forward to its continuation."

The safety records were compiled by AEC employees in the various areas, and do not reflect contractor activities. The Area Offices and accident-free man-hours for 1960:

Paducah (Ky.) Area Office—24,735.

Portsmouth (Ohio) Area Office—33,462.

Fernald (Ohio) Area Office—48,312.

St. Louis Area Office—29,272.

New Brunswick (N. J.) Area Office—106,977.

Puerto Rico Area Office—10,223.

March 30 Is Deadline For Entering Safety Posters

Y-12ers are reminded by the Safety Department that tomorrow, Thursday March 30, is the final date for entering the March safety poster contest. The theme of the posters, to be used in the June safety campaign, is "Off-the-Job Accidents," and should give wide latitude for ideas for entrance in the competition.

All Carbide employees in the Y-12 area are eligible to enter, including members of employees' families. Two fine awards are being offered. As first prize there is a food slicer and second prize is a flammable liquid container.

Winners in the contest will be announced next week. Because of the holiday on Friday the Safety Department advises that the poster suggestions must be in by 8 a.m. tomorrow at the latest.

Easter Morning Services Set For Blankenship Field

Special Easter morning services, traditionally held every year in Oak Ridge, will again be conducted this year at 6:30 a.m. at Blankenship Field, Sunday, April 2. The worship services, held jointly by the First Presbyterian Church and the First Baptist Church, will feature music by the choirs from both churches.

Dr. Edward D. Galloway, pastor of the First Baptist Church, will speak on "Resurrection—Triumph of The Spirit." In case of rain, the services will be conducted in the First Presbyterian Church chapel.



L. M. BRAY OBLIGINGLY opened his safety award to show off his new chest. Bray, in Y-12's Sunflower Shop, expressed real satisfaction with the picnic outfit to be put to good use this summer.

AEC Large Animal Surgery Facility Completed In Ridge

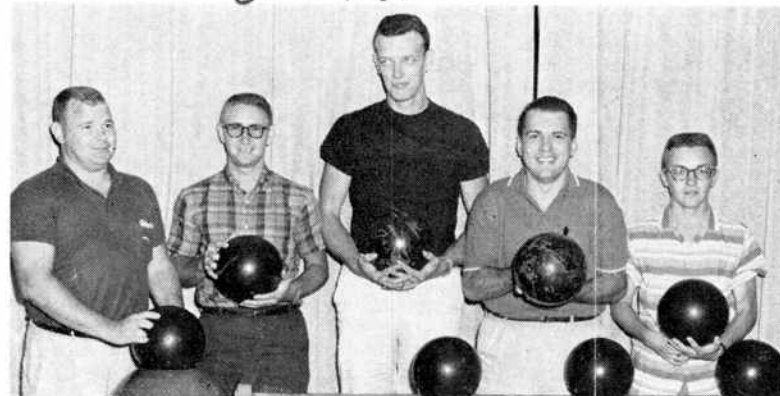
A new \$215,000 Large Animal Physiology and Surgery Building has been completed at the Atomic Energy Commission's Agricultural Research Laboratory in Oak Ridge.

The new facility, located on Bethel Valley Road just east of the Laboratory's headquarters building, contains laboratory space, animal metabolism facilities, and facilities for performing surgery on large animals.

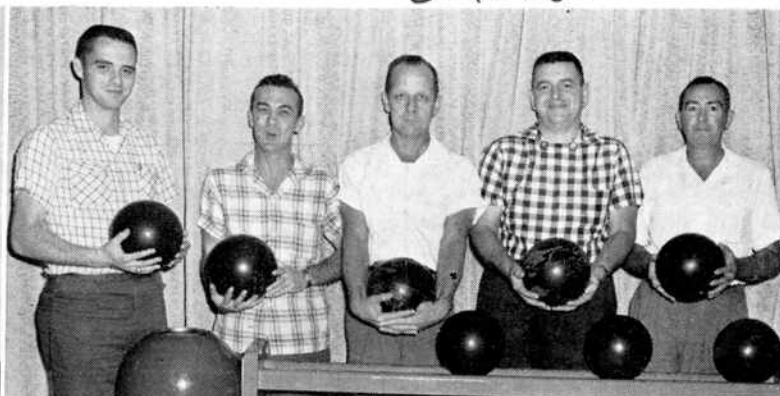
The new facility is part of a \$288,000 expansion at the Laboratory which started last year. The Laboratory is operated for the AEC by the University of Tennessee.

GHANA SCHOOLS GROW

There are almost 500,000 children now enrolled in Ghana grammar schools. In 1950 there were 140,000.



A BEVY OF Y-12 PLANT BUSH LEAGUE BOWLERS are pictured above. The Nine Pins are at left, the pinmen from left being Bob Hopkins, Barry Brackney, Capt. Jack Cowen, Larry Rinderer and Kenny Pluhar. The Pin Busters are at right, team mem-



bers being Capt. D. R. Davidson, H. G. Dyer, W. C. Caldwell, B. W. Pless and R. E. Worley. The Nine Pins have been up and down the ladder all season, as have the Pin Busters.